

## Organic Volatile Impurities (OVI) Analysis



**Rick Morehead**  
Marketing Specialist  
17+ years of service!

**Rtx®-G27** (Crossbond® 5% diphenyl/95% dimethyl polysiloxane)  
with Integra-Guard™ Guard Column

**Rtx®-G43** (Crossbond® 6% cyanopropylphenyl/94% dimethyl polysiloxane)  
with Integra-Guard™ Guard Column

- Application-specific columns for residual solvents in pharmaceutical products. Meet all requirements of USP <467>.
- Analytical column with Integra-Guard™ guard column eliminates connecting problems and leaks.
- Rtx®-G27 stable to 290°C; Rtx®-G43 stable to 240°C.

Some USP <467> methods require the use of a guard column. Our Integra-Guard™ integrated guard column system makes it easy to comply.

please **note**

Analytical Reference Materials for USP <467> are available on **page 510**.

**Rtx®-G27 Column** (fused silica with 5-meter Integra-Guard™ guard column)

(Crossbond® 5% diphenyl/95% dimethyl polysiloxane)

ID	df (µm)	temp. limits	30-Meter with 5-Meter, 0.53mm ID Integra-Guard™ Guard Column
0.53mm	5.00	-60 to 270/290°C	10279-126

**Rtx®-G43 Column** (fused silica with 5-meter Integra-Guard™ guard column)

(Crossbond® 6% cyanopropylphenyl/94% dimethyl polysiloxane)

ID	df (µm)	temp. limits	30-Meter with 5-Meter, 0.53mm ID Integra-Guard™ Guard Column
0.53mm	3.00	-20 to 240°C	16085-126

## free literature

**A Technical Guide for Static Headspace Analysis Using GC**

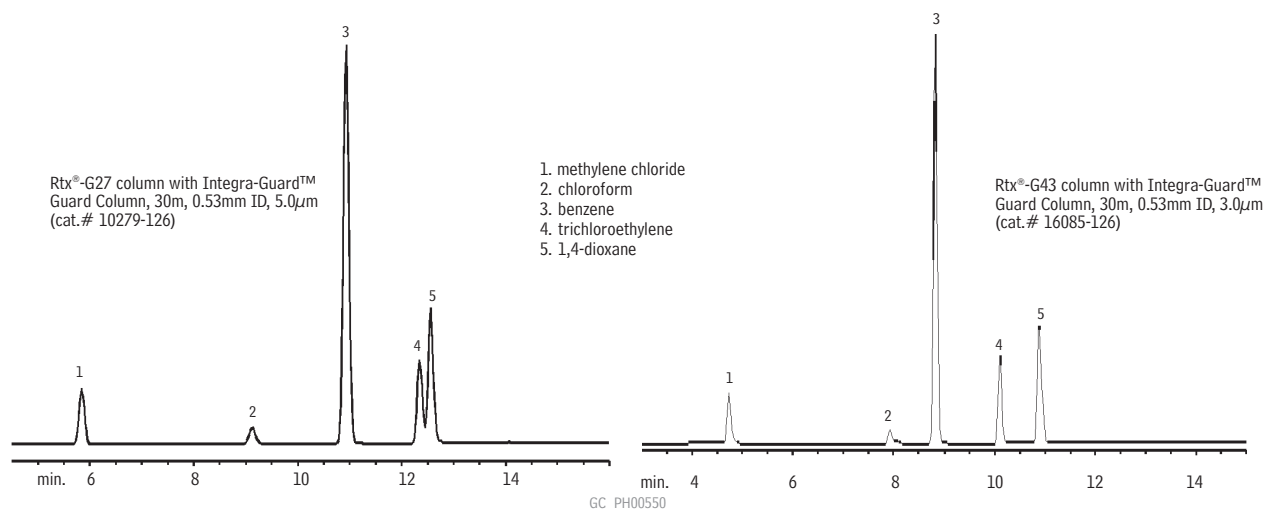
Download your free copy from [www.restek.com](http://www.restek.com).

Technical Guide  
lit. cat.# 59895A

Searching for a chromatogram?

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## Specially-designed Rtx®-G27 and Rtx®-G43 columns resolve residual solvents in USP &lt;467&gt;.



Inj.: 1.0µL direct injection of USP <467> Mix #1 (cat.# 36004)  
Oven temp.: 35°C (hold 5 min.) to 175°C @ 8°C/min. to 260°C @ 35°C/min.  
Inj./det. temp.: 200°C/240°C  
Carrier gas: helium  
Linear velocity: 34cm/sec. set @ 35°C  
FID sensitivity: 1 x 10<sup>-11</sup> AFS  
Recommended liner: Uniliner® inlet liner